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FIG. 1 PRIOR ART

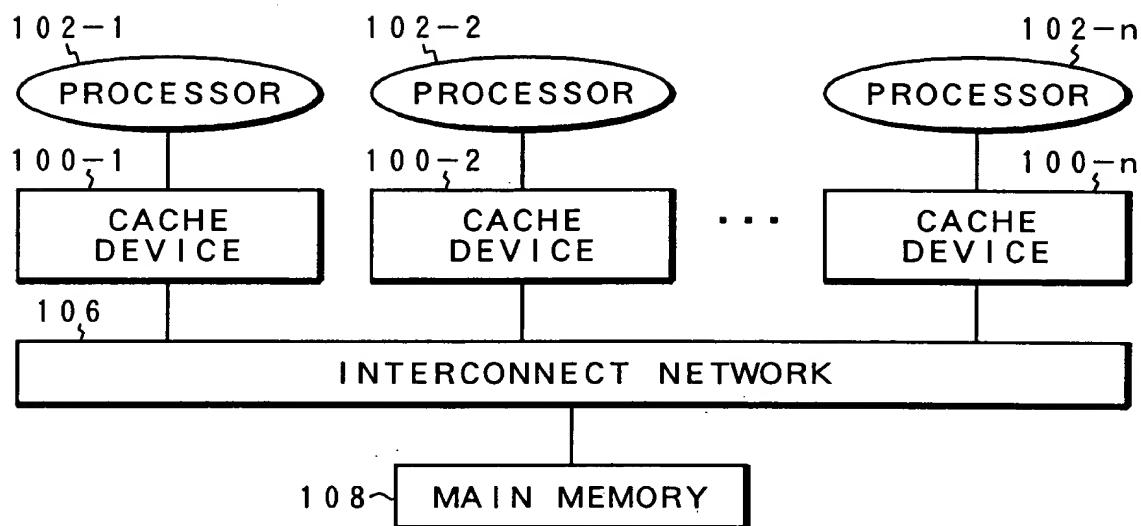
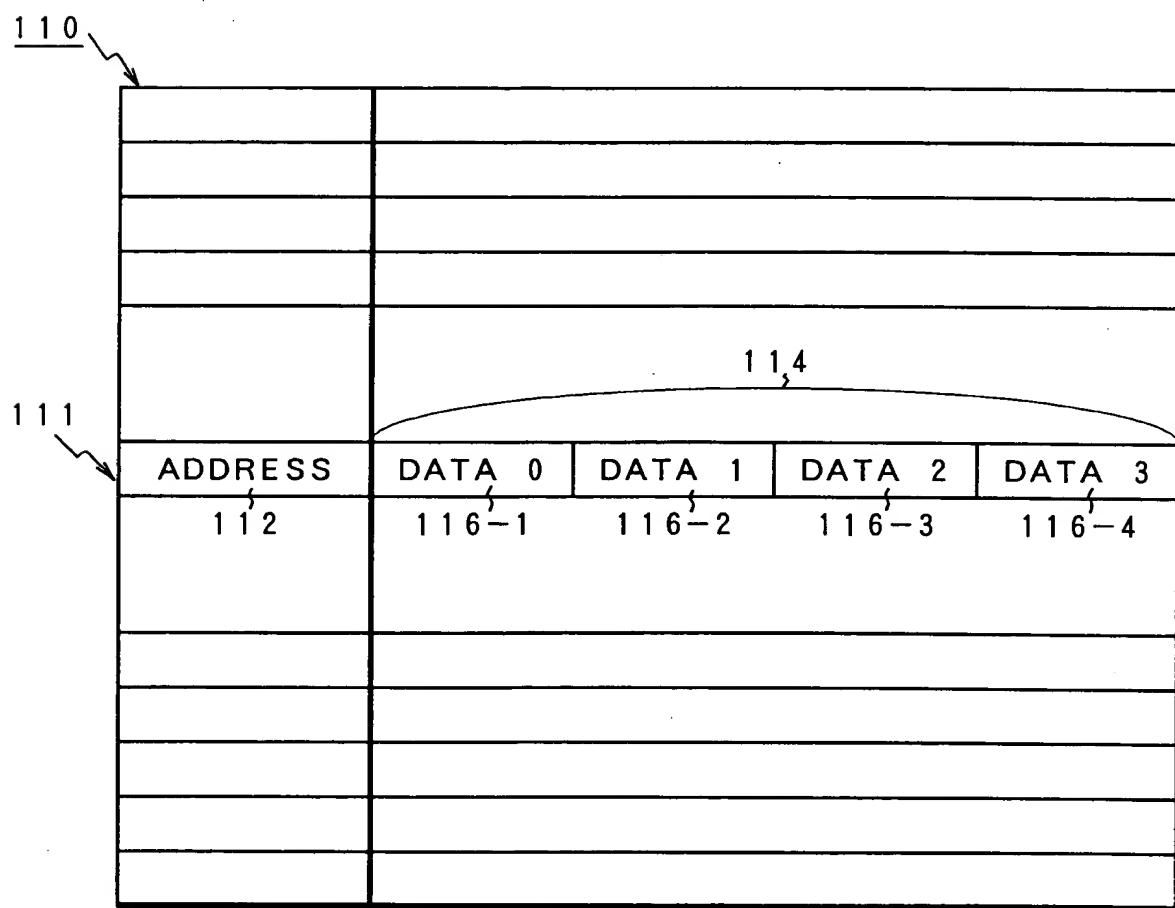
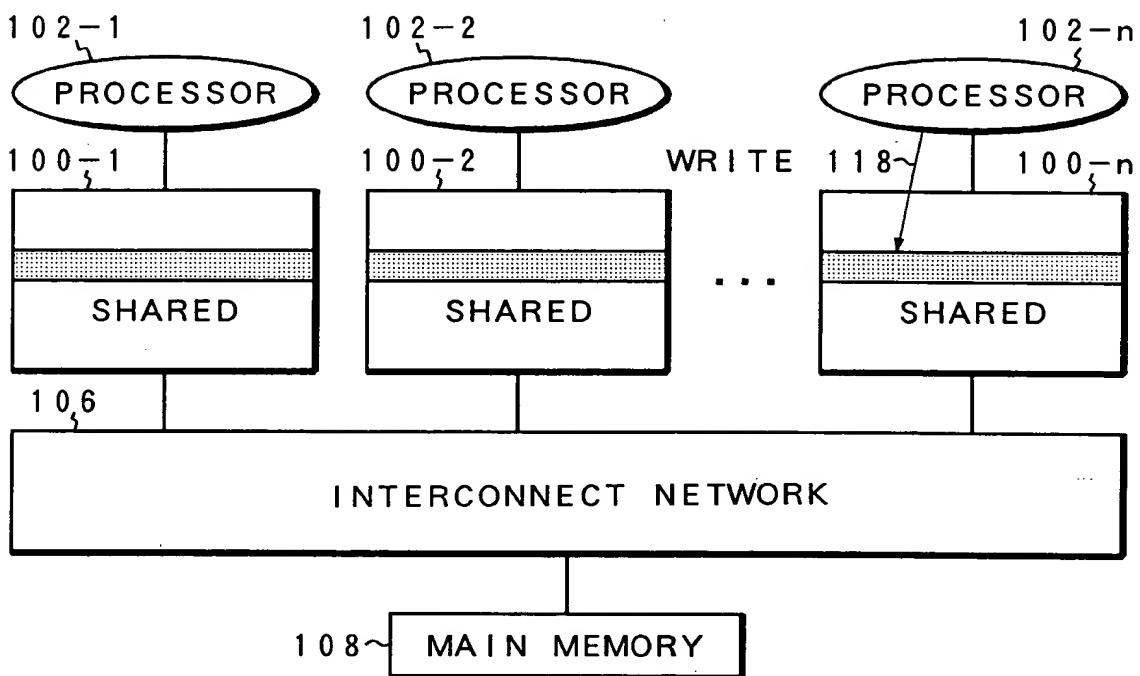


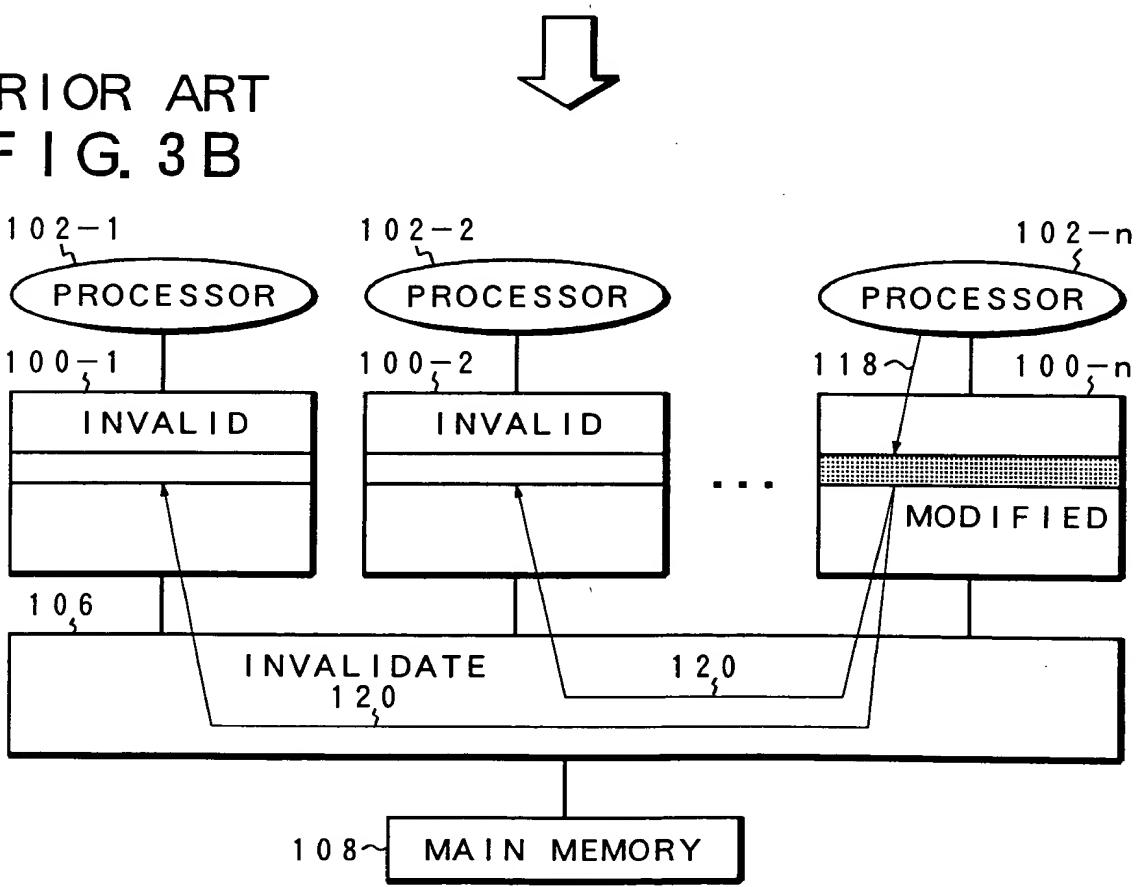
FIG. 2 PRIOR ART



PRIOR ART
FIG. 3A



PRIOR ART
FIG. 3B



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FIG. 4

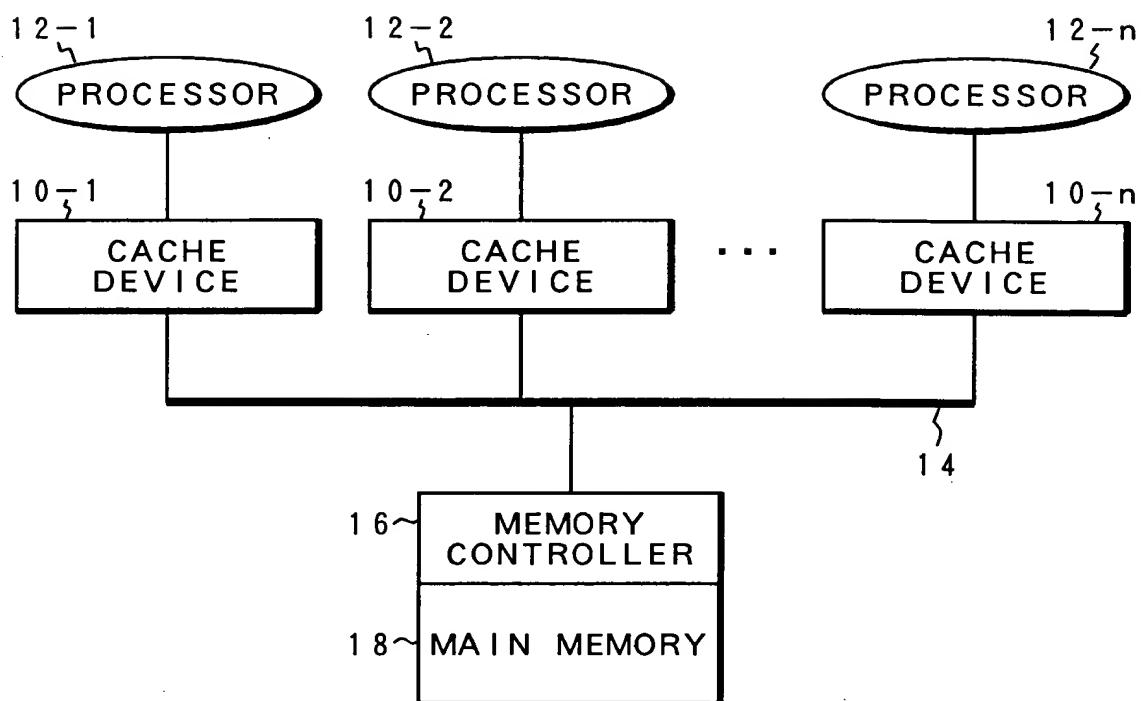


FIG. 5

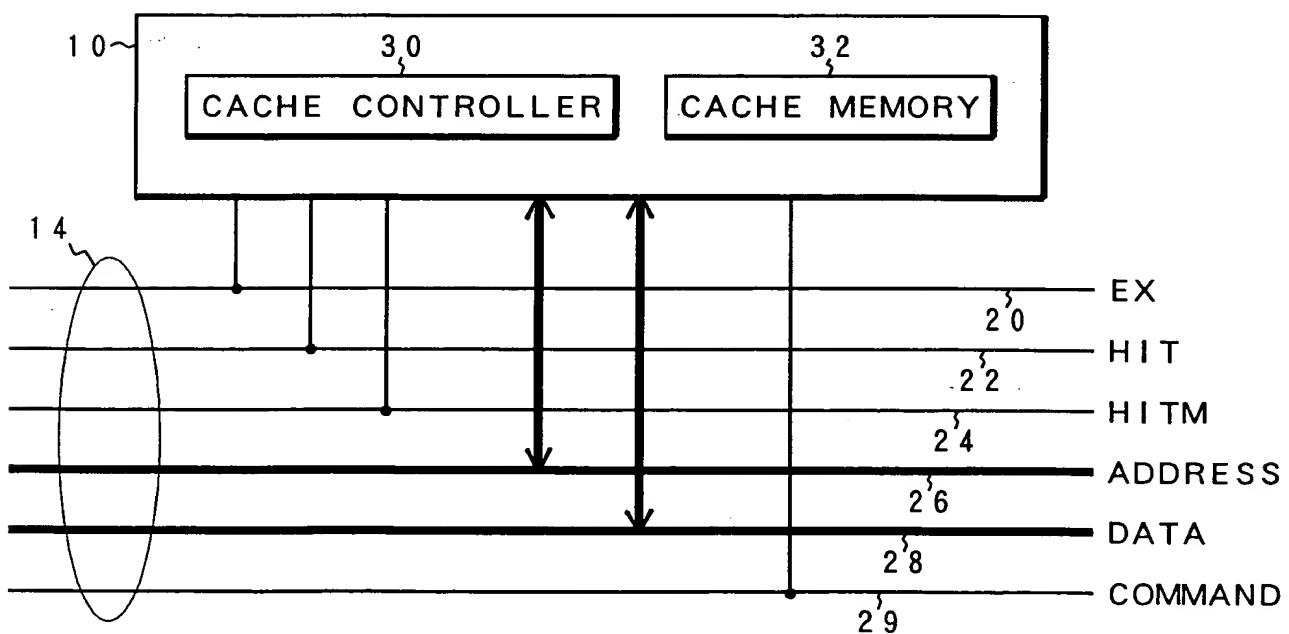


FIG. 6A

READ

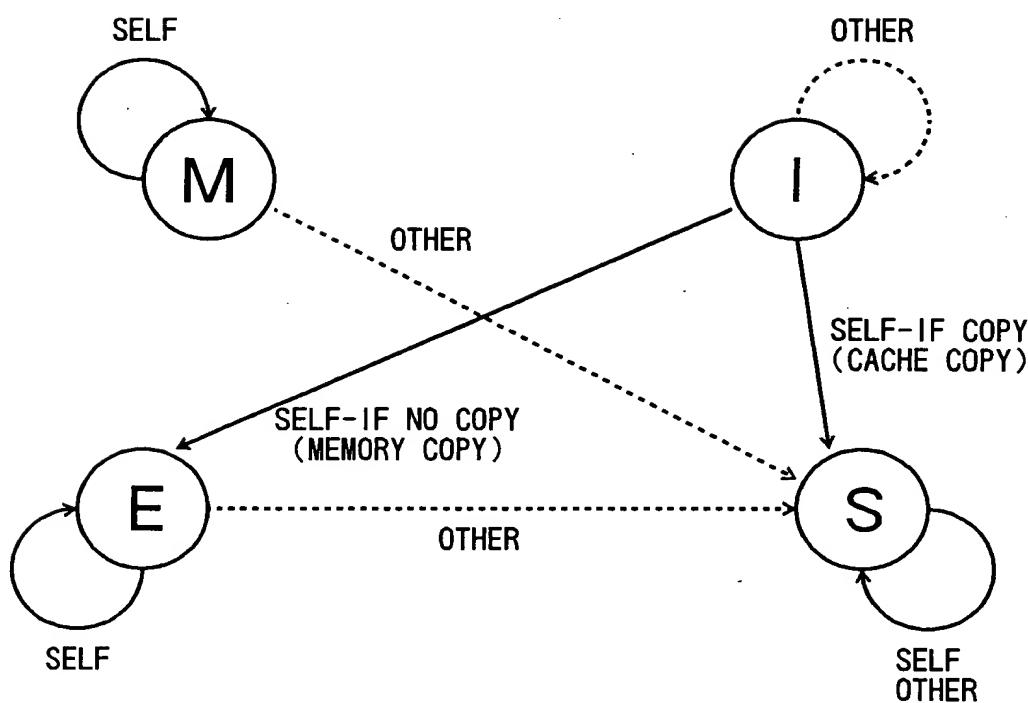
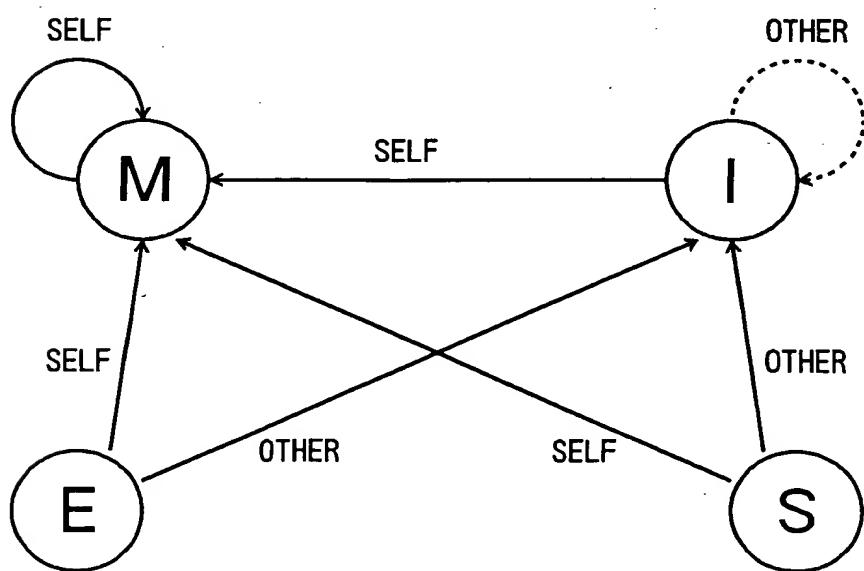


FIG. 6B

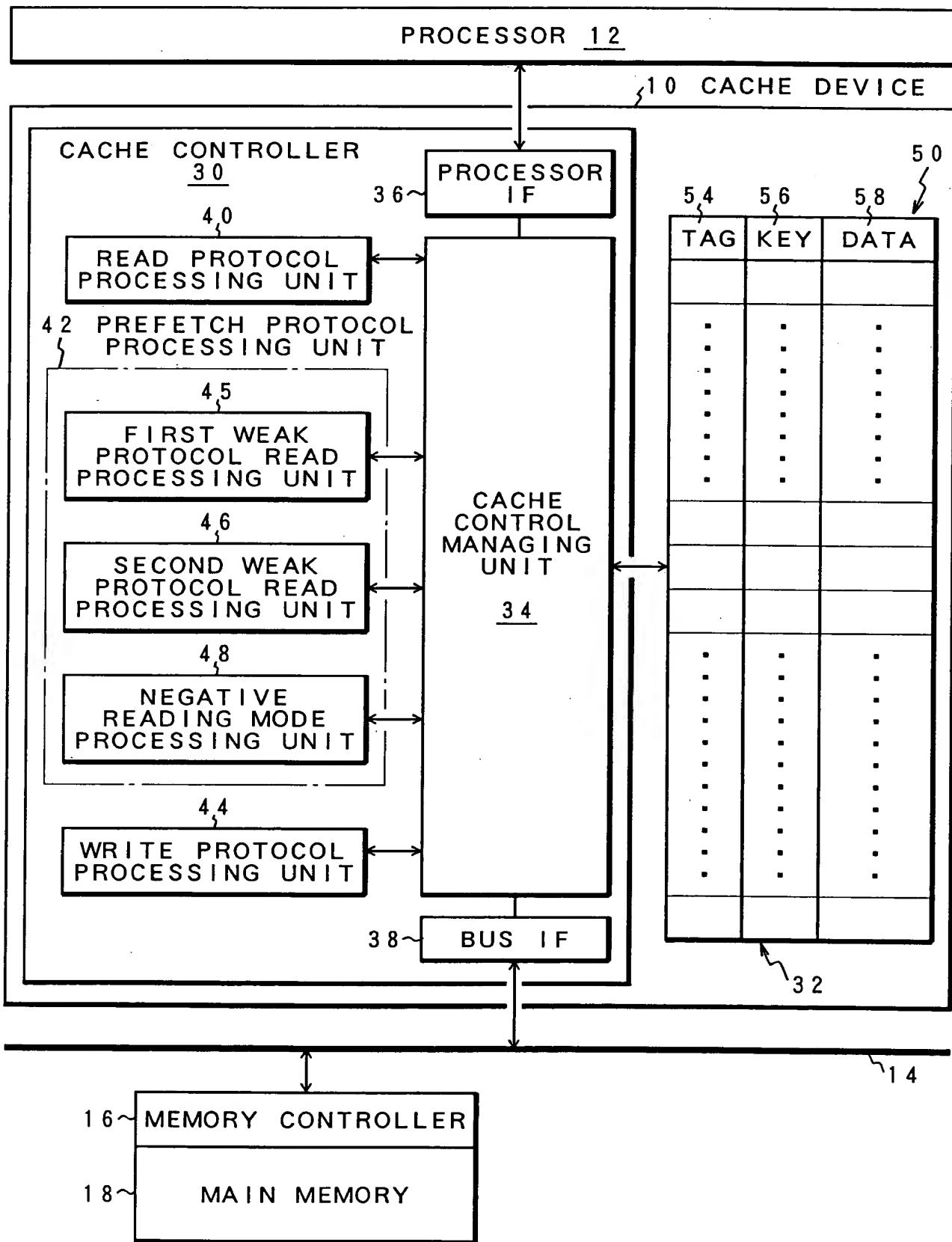
WRITE



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FIG. 7

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FIG. 8

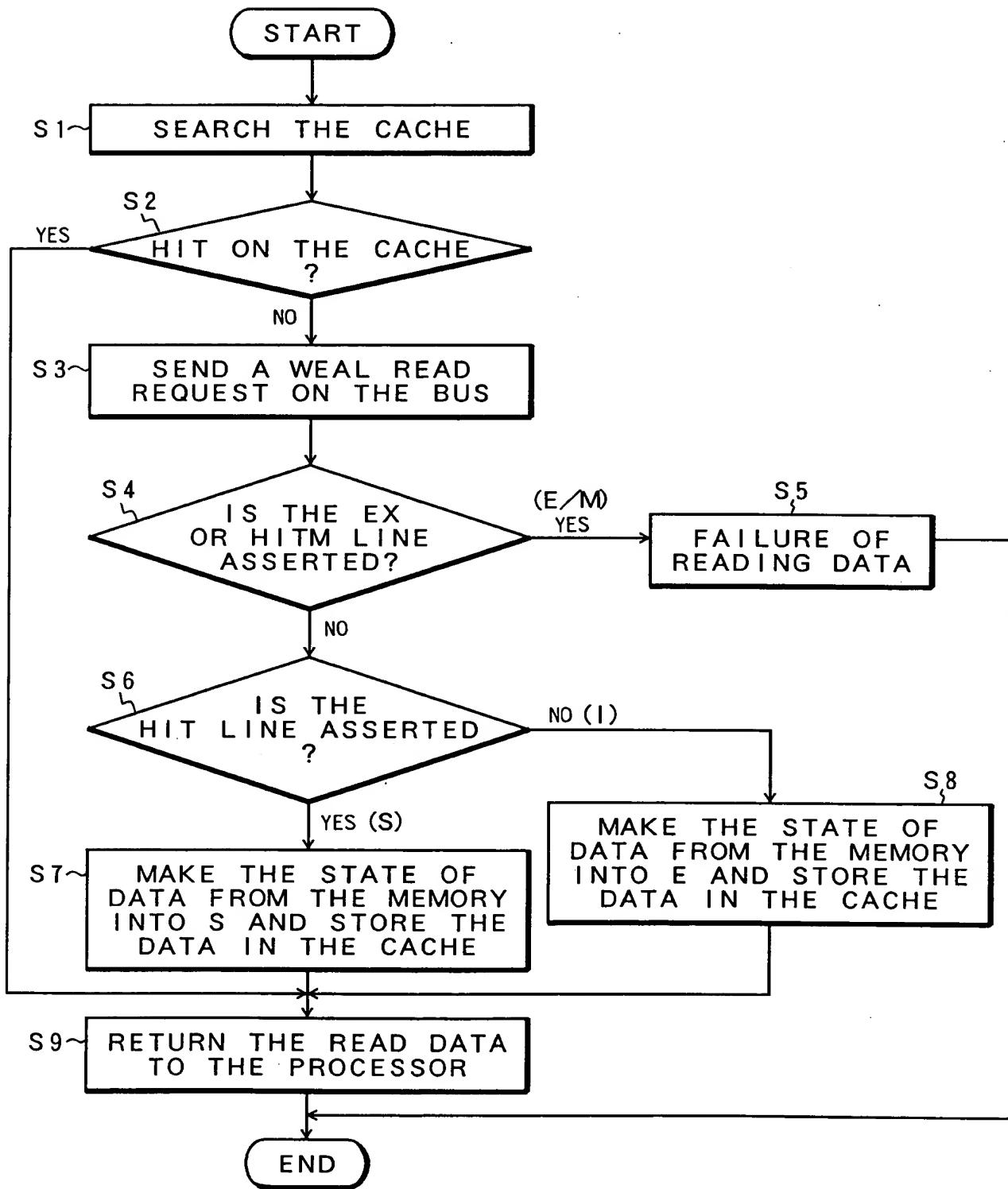


FIG. 9

TAG		STATE
b1	b2	
0	0	MODIFIED M
0	1	EXCLUSIVE E
1	0	SHARED S
1	1	INVALID I

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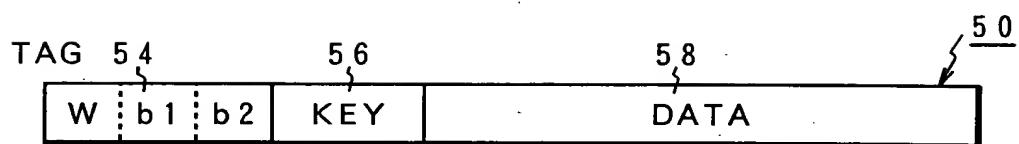
FIG. 10



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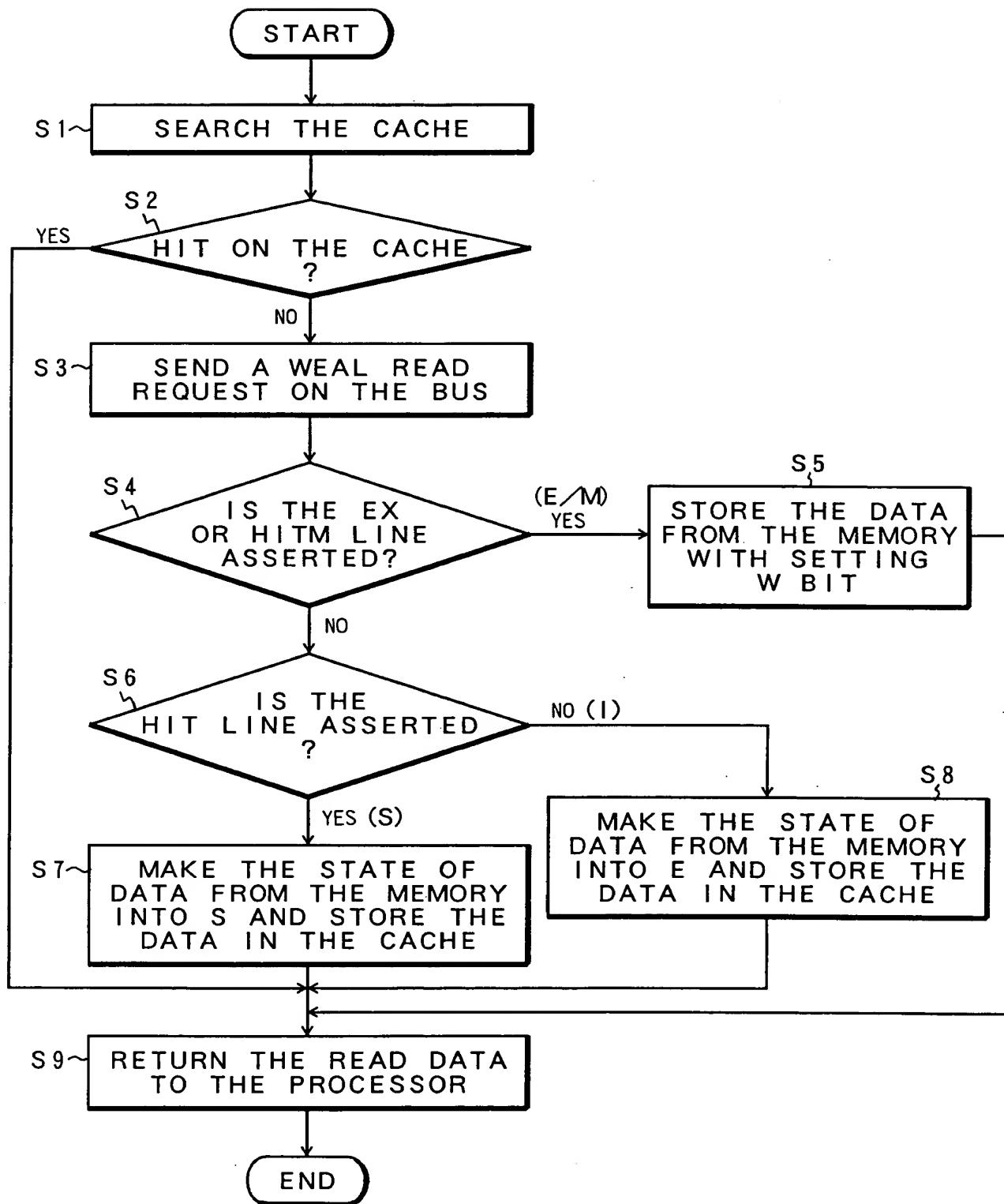
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FIG. 11



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FIG. 12



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FIG. 13

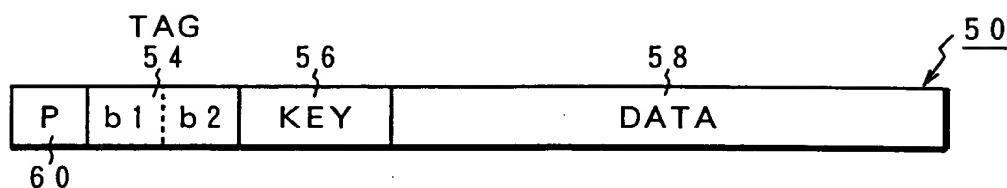
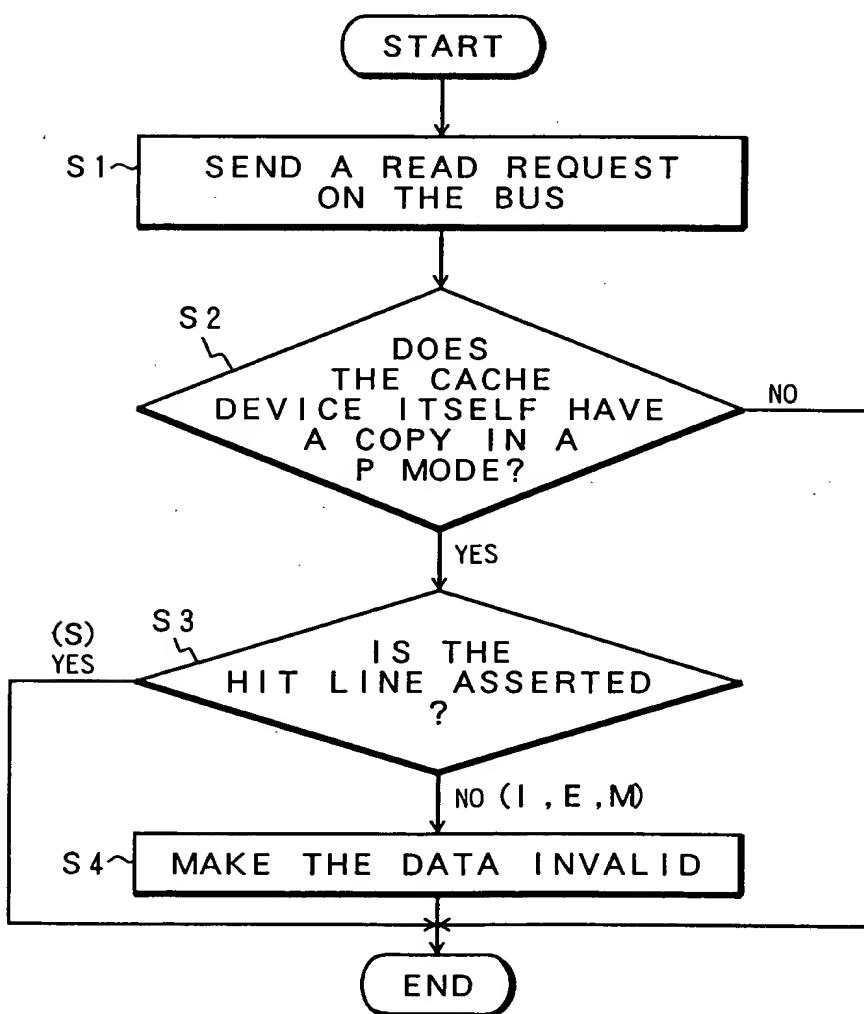


FIG. 14



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FIG. 15

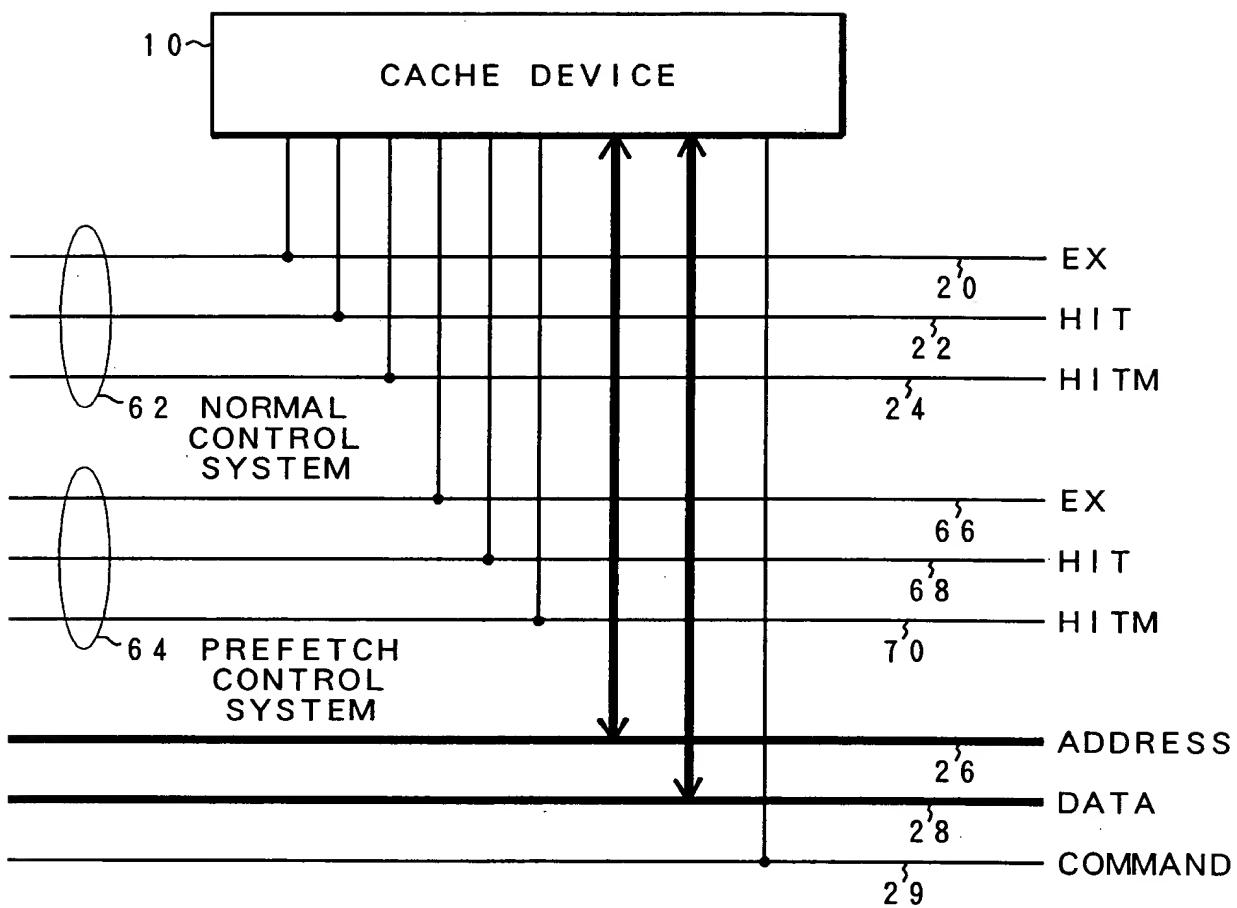


FIG. 16



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FIG. 17

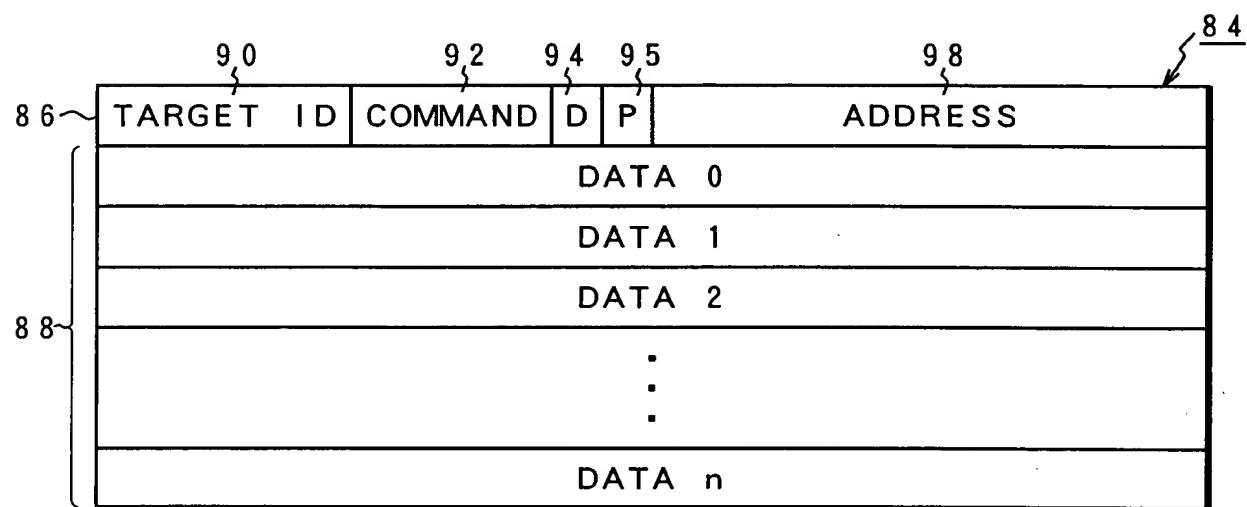


FIG. 18

REQUEST	REPLY
NORMAL + PREFETCH	NORMAL + PREFETCH
	ONLY NORMAL
NORMAL	ONLY NORMAL
PREFETCH	ONLY PREFETCH
	(NONE)

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